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Minimum
Maximum
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Perfect s
Sequence:
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No.
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Maximum Match 100%
Listing first 45 summaries
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1:
     DB seq
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    No. is the number of results predicted by chance to have a
re greater than or equal to the score of the result being printed,
is derived by analysis of the total score distribution.

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length: 2000000000
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   US-09-331-631A-21_COPY_32_91
343
1 TENPCAQRCLQSCQQEPDDL.....
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Gapop 10.0 , Gapext 0.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           March
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Copyright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TENPCAQRCLQSCQQEPDDL.....
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
/cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/6_COMB.pep:*
/cgn2_6/ptodata/2/iaa/pcTUS_COMB.pep:*
/cgn2_6/ptodata/2/iaa/backfiles1.pep:*
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   2001, 15:49:53; Search time 140.11 Seconds (without alignments) 7.690 Million cell update
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US-07-955-905A-24
US-08-136-922-2
US-08-131-713D-54
US-08-835-268-54
US-09-060-692-54
US-08-833-391-54
US-08-833-391-54
US-08-833-391-54
US-08-99-811-4
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US-08-91-408-2
US-08-91-408-2
US-09-021-287-5
US-09-021-287-5
US-09-021-287-3
US-09-188-930-186
US-08-488-161-83
US-08-488-161-83
US-08-485-380-4
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Compugen Ltd
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            Sequence 24, Appli Sequence 54, Appli Sequence 4, Appli Sequence 4, Appli Sequence 2, Appli Sequence 2, Appli Sequence 18, Appli Sequence 18, Appli Sequence 3, Appli Sequence 33, Appli Sequence 34, 
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 Sequence
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RESULT 2
US-08-136-922-2
; Sequence 2, Application US/08136922
; Patent No. 5416197
; GENERAL INFORMATION:
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2 E 31 E	Query Match Best Local Similarity 31.4%; Pred. Matches 22; Conservative 8; Mi	NAME/KEY: Protein LOCATION: 1.605 OTHER INFORMATION: /note- 955-905A-24	TOPOLOGY: 11 OLECULE TYPE: RIGINAL SOURCE ORGANISM: G1	G DATE: 21-JAN-199 IFICATION: 435 ON FOR SEQ ID NO: E CHARACTERISTICS: H: 605 amino acids	TYPE: Floppy disk ER: IBM PC compatib ING SYSTEM: PC-DOS/ RE: PatentIn Releas APPLICATION DATA: ATION NUMBER: US/07 DATE: 21-JAN-1993	INVENTION: INVENTION: F SEQUENCES:	1 955-905A- ence 24, nt No. 57 PPLICANT: ITLE OF I ITLE OF I		29 56 16.3 77 2 US- 30 56 16.3 77 2 US- 31 56 16.3 77 2 US- 32 56 16.3 77 2 US- 33 56 16.3 77 2 US- 34 56 16.3 77 2 US- 35 56 16.3 77 2 US- 36 56 16.3 77 2 US- 37 56 16.3 77 2 US- 38 56 16.3 77 2 US- 39 56 16.3 77 2 US- 40 56 16.3 77 2 US- 40 56 16.3 77 3 US- 41 56 16.3 77 3 US- 42 56 16.3 77 3 US- 43 56 16.3 77 3 US- 44 56 16.3 77 3 US- 45 56 16.3 77 3 US- 46 56 16.3 77 3 US- 47 56 16.3 77 3 US- 48 56 16.3 77 3 US- 49 56 16.3 77 3 US- 40 56 16.3 77 3 US- 41 56 16.3 77 3 US- 42 56 16.3 77 3 US- 43 56 16.3 77 3 US-	
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EECEEGEIPR	B 1; Len 0013; s 16;	from G. max"			ersion #1.25	31		IENTS	380-40 478-33 397-4 397-4 399-4 399-4 1100-33 1100	
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50 33	os 3;								Appl Appli	
	ENPCAGRCLOSCOGEPDDLKQKACESRCTKLEYD	Query Match 27.1%; Score 93; DB 1; Length 605; Best Local Similarity 31.4%; Pred. No. 0.0013; Matches 22; Conservative 8; Mismatches 16; Indels 24; Gaps 2 ENPCAQRCLQSCQOEPDDLKQKACESRCTKLEXDPRCVYDTGATNQRHP 50 1	NAME/KEY: Protein LOCATION: 1.605 OTHER INFORMATION: /note= "vicilin from G. max" -07-955-905A-24 27.1%; Score 93; DB 1; Length 605; Best Local Similarity 31.4%; Pred. No. 0.0013; Matches 22; Conservative 8; Mismatches 16; Indels 24; Gaps 2 ENPCAQRCLQSCQOEPDDLKQKACESRCTKLEYDPRCVYDTGATNQRHP 50	TOPOLOGY: linear MOLECULE TYPE: protein ORGANISM: Glycine max FEATURE: ORGANISM: Glycine max FEATURE: NAME/KEY: Protein LOCATION: 1.605 OTHER INFORMATION: /note= "Vicilin from G. max" -07-955-905A-24 Query Match Best Local Similarity 31.4%; Pred. No. 0.0013; Matches 22; Conservative 8; Mismatches 16; Indels 24; Gaps 2 ENPCAQRCLQSCQOEPDDLKQKACESRCTKLEYDPRCVYDTGATNQRHP 50	CLASSIFICATION: 435 CLASSIFICATION: 435 INFORMATION FOR SEQ ID NO: 24: SEQUENCE CHARACTERISTICS: LENGTH: 605 amino acids TYPE: amino acids TYPE: amino acid TYPE: protein ORIGINAL SOURCE: ORGANISM: Glycine max FEATURE: NAME/KEY: Protein LOCATION: 1.605 OTHER INFORMATION: /note= "vicilin from G. max" -07-955-905A-24 Match Similarity 31.4%; pred. No. 0.0013; Matches 22; Conservative 8; Mismatches 16; Indels 24; Gaps 2 ENPCAGRCLQSCQOEPDDLKQKACESRCTKLEXD	MEDIUM TYPE: Floppy disk COMPUTER: IBM PC Compatible OPERATING SYSTEM: PC-DOS/MS-DOS OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO) CURRENT APPLICATION DATA: APPLICATION NUMBER: US/07/955,905A FILING DATE: 21-JAN-1993 CLASSIFICATION: 435 INFORMATION FOR SEQ ID NO: 24: SEQUENCE CHARACTERISTICS: LENGTH: 605 amino acids TYPE: amino acid TOPOLOGY: linear MOLECULE TYPE: protein ORGANISM: Glycine max FEATURE: ORGANISM: Glycine max FEATURE: NAME/KEY: Protein ORGANISM: Glycine max FEATURE: NAME/KEY: Protein LOCATION: /note= "vicilin from G. max" -07-955-905A-24 Query Match Best Local Similarity 31.4%; Pred. No. 0.0013; Matches 22; Conservative 8; Mismatches 16; Indels 24; Gaps 2 ENPCAQRCLQSCQQEPDDLKQKACESRCTKLEYD	TITLE OF INVENTION: RECOMBINANT 47 AND 31 kD COCOA PROTEINS AND TITLE OF INVENTION: PRECURSOR NUMBER OF SEQUENCES: 28 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: LBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO) CURRENT APPLICATION DATA: APPLICATION NUMBER: US/07/955,905A FILLING DATE: 21-OAN-1993 CLASSIFICATION: 435 INFORMATION FOR SEQ ID NO: 24: SEQUENCE CHARACTERISTICS: LENGTH: 605 amino acids TYPE: amino acid TOPOLOGY: linear MOLECULE TYPE: protein ORGANISM: Glycine max FEATURE: NAME/KEY: Protein CORGATION: 1605 OTHER INFORMATION: /note= "vicilin from G. max" -07-955-905A-24 MAICHES 22: Conservative 8; Mismatches 16; Indels 24: Gaps MAICHES 22: Conservative 8; Mismatches 16; Indels 50 ENPCANCEOUS SERDSYRNOACHARCNLEXEECEGGIPRPR	SULT 1 O7-955-905A-24 O7-955-905A-24 O7-955-905A-24 Patent No. 5770433 GENERAL INFORMATION: RECOMBINANT 47 AND 31 kD COCOA PROTEINS AND TITLE OF INVENTION: PRECURSOR PAPELICANT: TITLE OF INVENTION: PRECURSOR NUMBER OF SEQUENCES: 28 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: 1BM PC compatible OPERATING SYSTEM: PC-DOSYMS-DOS SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO) CURRENT APPLICATION DATA: APPLICATION LAN-1993 CLASSIFICATION: 435 INFORMATION FOR SEQ ID NO: 24: SEQUENCE CHARACTERISTICS: LENGTH: 605 anino acids TYPE: amino acids TYPE: amino acids TYPE: protein ORGANIAL SOURCE: ORGANISH: Glycine max FEATURE: NAME/KEY: Protein ORGANISH: Glycine max FEATURE: NAME/KEY: Protein ORGANISH: Glycine max FEATURE: NAME/KEY: Protein ORGANISH: 1.605 OTHER IMFORMATION: /note- "Vicilin from G. max" -07-955-905A-24 DUCTY Match 27.1%; Score 93; DB 1; Length 605; Best Local Similarity 31.4%; Pred. No. 0.0013; Matches 22; Conservative 8; Mismatches 16; Indels 24; Gaps 2 ENPCARCLOSCONSEPDENCONACHARCNILKYP	SULT 1 507-955-05A-24 6707-955-905A-24 6707-955-905A-24 68quence 24, Application US/07955905A Retent No. 5770433 RAPPLICANT: APPLICANT: APPLICANTION: RECOMBINANT 47 AND 31 kD COCOA PROTEINS AND TITLE OF INVENTION: PRECURSOR NUMBER OF SEQUENCES: 28 COMPUTER READNABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER READNABLE FORM: COMPUTER: IBM PC compatible OPERATING SISTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO) CURRENT APPLICATION DATA: APPLICATION NUMBER: US/07/955,905A FILING DATE: 21-JAN-193 CLASSIFICATION: 435 TILING DATE: 21-JAN-193 CLASSIFICATION HOMBER: US/07/955,905A FILING DATE: 21-JAN-193 CLASSIFICATION: 435 TIMPORMATION FOR SEQ ID NO: 24: SEQUENCE CHARACTERISTICS: LENGTH: 605 amino acids TYPE: amino acids TYPE: amino acids TYPE: protein ORIGINAL SOURCE: ORGANISM: Glycine max FEATURE: PROTURE: PROT	29 56 16.3 77 2 US-OR-465-380-40 Sequence 40, Appl. 32 56 16.3 77 2 US-OR-465-397-40 Sequence 33, Appl. 32 56 16.3 77 2 US-OR-465-397-40 Sequence 33, Appl. 34 56 16.3 77 2 US-OR-465-397-40 Sequence 40, Appl. 34 56 16.3 77 2 US-OR-465-397-40 Sequence 40, Appl. 35 56 16.3 77 2 US-OR-465-397-40 Sequence 40, Appl. 35 56 16.3 77 2 US-OR-461-397-40 Sequence 40, Appl. 36 56 16.3 77 2 US-OR-461-397-40 Sequence 40, Appl. 36 56 16.3 77 2 US-OR-461-397-40 Sequence 41, Appl. 37 2 US-OR-461-397-40 Sequence 41, Appl. 37 2 US-OR-461-397-40 Sequence 41, Appl. 37 2 US-OR-461-397-40 Sequence 41, Appl. 41, 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 42 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 42 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 43 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 43 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 44 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 44 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 44 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 44 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 44 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 45 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 45 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 45 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 45 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 45 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 45 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 47 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 47 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 47 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 47 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 47 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 47 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 47 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 47 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 47 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 47 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 47 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 47 56 16.3 77 3 US-OR-461-41-40 Sequence 41, Appl. 47 56 16.3 77 3 US-OR-461-

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Best Local Similarity
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           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 Bush Street, Suite 3200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                   APPLICANT: O'Connor, Timothy
TITLE OF INVENTION: The Semaphorin Gene Family
NUMBER OF SEQUENCES: 100
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TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 477 amino acid
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NAME: DeLuca, Mark
REGISTRAFION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: UPN-1428
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATING SYSTEM: PC-DOS/MS-DOS
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TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      278 AQLPLHRC-----DIYGKACAECC--LARDPYCAWDGSACSRYFPTAKRRTRRQ 324
                                                                                                                                                                                         CITY: San Francisco
APPLICATION NUMBER:
                                                                                                                                                  COUNTRY:
                                                                                                                                                                        STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: One Liberty CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & ADDRESSEE: No. 5416197ris STREET: One Liberty Place
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6 AQRCLQSCQQEPDDLKQKACESRCTKLEYDPRCVYDTGATNQRHPPGERTRGRQ 59
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                                                                                                                                                    USA
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Bentley, David R.
                                                                                                                                                                                                                                                                                                                                                              Goodman, Corey S.
Kolodkin, Alex L.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19.4%;
US/08/121,713D
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1; Length 477;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               23;
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; TOPOLOGY: linear; MOLECULE TYPE: protein US-08-121-713D-54
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Best Local Similarity
Matches 19; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO:
                                                                                  INFORMATION FOR SEQ ID NO:
                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: OSMAD, Richard A.
REGISTRATION NUMBER: 36.627
REFERENCE/DOCKET NUMBER: B94-002-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)343-4341
                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/0
FILING DATE: 13-SEP-1993
                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOETWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 771 amino acids
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)343-4341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A.
REGISTRATION NUMBER: 36,
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APPLICANT:
                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
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MOLECULE TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: 200 L. CITY: San Francisco
                         LENGTH: 771 amino
TYPE: amino acid
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                                                                                                                    TELEFAX:
                                                                                                                                                                                                                                                                                               CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                   FILING DATE:
                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/835,268
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              TOPOLOGY:
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                                            771 amino acids
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AVENTION: The Semaphorin Gene Family
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Bentley, David R.
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Kolodkin, Alex L.
                linear
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Pred. No. 2.8;
5; Mismatches
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Sequence 54, Application US/08833391 Patent No. 6013781
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                                                                                                                                                                                             Query Match
Best Local (
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Best Local Similarity
Matches 19; Conserv
                                                                                                                                                                           Matches
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                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 771 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: B94-002-1
TELECOMMUNICATION INFORMATION:
TELECHHONE: (415)343-4341
TELECHHONE: (415)343-4341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/121,713
FILING DATE: 13-SEP-1993
ATTORNEY/ACENT INFORMATION:
NAME: Osman, Richard A.
REGISTRATION NUMBER: 36,627
REGISTRATION NUMBER: 36,627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 100
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 Bush Street, Suite 3200
                                                                                                                                                                                                                                                                               MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: O'Connor, Timothy TITLE OF INVENTION: The Semaphorin Gene Family
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
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                                                                                                       510 AQLPLHRC-----DIYGKACAECC--LARDPYCAWDGSACSRYFPTAKRRTRRQ 556
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TYPE: a
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                                                                                                                                                                                                                                                                                                   TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (415) 343-4342
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
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                                                                                                                                      6 AQRCLQSCQQEPDDLKQKACESRCTKLEYDPRCVYDTGATNQRHPPGERTRGRQ 59
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                                                                                                                                                                                                                                                                                              amino acid
)GY: linear
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Bentley, David R.
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Kolodkin, Alex L.
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                                                                                                                                                                         Score 66.5; DB Pred. No. 2.8; 5; Mismatches
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Pred. No. 2.8;
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PCT-US94-10151A-54
; Sequence 54, Application PC/TUS9410151A
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; MOLECULE TYPE: protein US-08-833-391-54
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acids
TYPOLOGY: line-
NOLECUTE
TYPE: amino acid
TOPOLOGY: line-
NOLECUTE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Osman, Richard A. REGISTRATION NUMBER: 36,627 REFERENCE/DOCKET NUMBER: B9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)343-4341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 530
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/121,713
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 0
FILING DATE: 13-SEP-1993
ATTORNEY/AGENT INFORMATION:
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APPLICANT: O'Connor, Timothy
TITLE OF INVENTION: The Semaphorin Gene Family
                                                                                                                                                                                                                                                            TITLE OF INVENTION:
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                                                                                                                                                            ADDRESSEE: FLEHR HOHBACH TEST ALBRITTON & HERBERT STREET: 4 Embarcadero Center, Suite 3400 (CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                              COUNTRY:
                                                                                                                                                   STATE:
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                                                                                                                                USA
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Pred. No. 2.8;
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                     Version #1.25
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Best Local Similarity 35.2
Matches 19; Conservative
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TELEX: 910 277299 FHT UR
INFORMATION FOR SEQ ID NO: 54:
                                                                         TELEFAX: (202)371-2540 INFORMATION FOR SEQ ID NO:
                                                                                                                REGISTRATION NUMBER: 36,351
REFERENCE/DOCKET NUMBER: 14
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)371-2600
                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION DATA:
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REGISTRATION NUMBER: 36.627
REFERENCE/DOCKET NUMBER: FP-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEPHONE: (415, 208-23488)
                                                                                                                                                                                                               APPLICATION NUMBER: US 08/465,968 FILING DATE: 06-JUN-1995 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 8-MAR-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: HU, JING-SHAN
APPLICANT: ROSEN, CRAIG A.
APPLICANT: CAO, LIANG
TITLE OF INVENTION: VASCUL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS: LENGTH: 771 amino acids
                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         510 AQLPLHRC-----DIYGKACAECC--LARDPYCAWDGSACSRYFPTAKRRTRRQ 556
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: 1100 NEW CITY: WASHINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE:
TOPOLOGY:
                                  LENGTH:
                                                                                                                                                                                               NAME: MARKOWICZ, KAREN R.
                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: FILING DATE: HEREWI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: PCT/US94/10151A FILING DATE: 13-SEP-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6 AQRCLQSCQQEPDDLKQKACESRCTKLEYDPRCVYDTGATNQRHPPGERTRGRQ 59
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)GY: linear
                  amino acid
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                                    350 amino acids
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                                                                                                                                                                                                                                                                                                               US 08/207,550
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BER: FP-58750-PC/RAO
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Pred. No. 2.8;
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RESULT 10
US-09-042-105-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; MOLECULE TYPE: protein US-08-999-811-4
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CURRENT FILING DATE: 1997-03-27
EARLIER APPLICATION NUMBER: 08/207,550
EARLIER FILING DATE: 1994-03-08
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 17.5%;
Best Local Similarity 36.7%;
Matches 18; Conservative
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APPLICANT: Rosen, Craig A.
APPLICANT: Cao, Liang
APPLICANT: Cao, Liang
TITLE OF INVENTION: Polynucelotides Encoding Vascular Endothelial Growth
TITLE OF INVENTION: Factor 2
FILE REFERENCE: PF112D1
                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION: APPLICANT: HU, JI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 TENPCAQRCLQ-----SCQQEPDDLKQKACESRCTKLEYDPRCV 39
                 SOFTWARE: Patentin Relacion DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US,
FILING DATE: HEREWITH
                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 350
                                                                                                                                                                                                                                                                                                     APPLICANT: CAO, LIANG
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR
NUMBER OF SEQUENCES: 35
                                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       294 TESP--QKCLLKGKKFHHQTCSCYRRPCTNRQKACEPGFSYSEEVCRCV 340
                                                                                        COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            y Match 17.5%;
Local Similarity 36.7%;
CLASSIFICATION:
                                                                                                                                                                      ZIP: 20005
                                                                                                                                                                                                           STATE: DC
                                                                                                                                                                                                                           CITY: WASHINGTON
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                                                                                                                                                                                                                                              E: STERNE, KESSLER, GOLDSTEIN & FOX 1100 NEW YORK AVENUE
                                                                                                                                                                                         USA
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ROSEN, CRAIG A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                      PatentIn Release #1.0, Version #1.30
                                     US/09/042,105
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PRIOR APPLICATION DATA:

DATE:

8-MAR-1994

US 08/207,550

APPLICATION NUMBER: CLASSIFICATION: APPLICATION NUMBER:

US 08/465,968

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US-08-999-811-2
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                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/207,550
FILING DATE: 8-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/465,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: MARKOWICZ, KAREN R.
REGISTRATION NUMBER: 36,351
REGISTRATION NUMBER: 36,351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
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                                                                                                                                                                                                     SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/999,811 FILING DATE: HEREWITH CLASSIFICATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: HU, JING-SHAN
APPLICANT: ROSEN, CRAIG A.
APPLICANT: CAO, LIANG
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR
NUMBER OF SEQUENCES: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
NAME: ERIC K. STEFFE
REGISTRATION NUMBER: 36,688
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                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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               REGISTRATION NUMBER: 36,351
REFERENCE/DOCKET NUMBER: 1488.1000004
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; MOLECULE TYPE: US-09-042-105-2
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Patent No. 6040157
Pameral INFORMATION:
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Best Local Similarity 36.7
Matches 18; Conservative
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TELEFAX: (202)371-2540
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO:
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: ERIC K. STEFFE
REGISTRATION NUMBER: 36,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION DATA:
PRIOR APPLICATION NIMBER: TO BE ASSIGNED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
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ADDRESSEE: STERNE, KESSLER, CONTROL OF THE CONTROL OF THE
                                                                                                                                                              SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION:
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CLASSIFICATION:
                                                              TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: FILING DATE: 24-DECCLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 0 FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: H
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                        LENGTH:
                                                                                                                                                                                                                                                               TELEPHONE:
                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER:
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(202)371-2540
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36.7%;
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Best Local
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Best Local Similarity
Matches 18; Conserv
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                                                                                                                                                                                                                                                                               NFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                         FILING TEATION:
CLASSIFICATION:
ATTORNBY/AGENT INFORMATION:
NAME: ERIC K. STEFFE
NAME: ERIC K. STEFFE
16,688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: ROSEN, CRAIG A.
APPLICANT: CAO, LIANG
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR
NUMBER OF SEQUENCES: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION: TELEPHONE: (202)371-2600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/207,550
                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS
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363 TESP--QKCLLKGKKFHHQTCSCYRRPCTNRQKACEPGFSYSEEVCRCV 409
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                                                                                                                                                                                       STRANDEDNESS:
TOPOLOGY: li
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                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: FILING DATE: 24-DE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 08/465,968 FILING DATE: 06-JUN-1995
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                                                                                     Local
                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: UPFILING DATE: HEREWITH
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ZIP: 20005
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                                1 TENPCAORCLO------SCOOEPDDLKOKACESRCTKLEYDPRCV 39
                                                                                                                                                                                                                                            LENGTH:
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                                                                                     Similarity
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                                                                   Conservative
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                                                                                   17.5%;
36.7%;
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                                                                 Score 60; DB 3; Length 419;
Pred. No. 8.7;
5; Mismatches 14; Indels
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RESULT 14
US-08-795-430-8
; Sequence 8, Application US/08795430
; Patent No. 6130071
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                                                   Query Match
Best Local Similarity 36.7
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APPLICANT: Alitalo,
APPLICANT: Joukov,
                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 01-AUG-1990
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: 08/671,573
                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 419 amino acio
                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION: TELEPHONE: 312/474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 12-JAN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/510,133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 08/6/1,5/3
FILING DATE: 28-JUN-1996
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
08/601,132
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PRIOR APPLICATION NUMBER: PCT/F
FILING DATE: 01-AUG-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: FILING DATE: 14-FEB-PRIOR APPLICATION DATA: APPLICATION NUMBER:
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363 TESP--QKCLLKGKKFHHQTCSCYRRPCTNRQKACEPGFSYSEEVCRCV 409
                                                                                                                                                                                                                                             TELEFAX: 25-3856
                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                              TELEPHONE: 312/474-0448
                                                                                                                                                                                               TYPE:
                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                  1 TENPCAQRCLQ-----
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30 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                       David A.
                                                                                                                                                             protein
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Protein and Gene, Mutants Thereof, ar
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                               SCQQEPDDLKQKACESRCTKLEYDPRCV 39
                                                                5; Mismatches
                                                                               Score 60; DB
Pred No. 8.7;
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                                                                                              DB 3;
                                                                14;
                                                                                             Length 419;
                                                                Indels
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RESULT 15 PCT-US96-09001-2

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FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/465,968
FILING DATE: 6 JUN 95
APPLICATION NUMBER: 08/207,550
FILING DATE: 8 MAR 1994
ATTORNEY/AGENT INFORMATION:
NAME: FERRARO, GREGORY D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-288
FILECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 419 AMINO ACIDS
TYPE: AMINO ACIDS
Search completed: March 1, 2001, 15:49:54 Job time: 399 sec
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Best Local Similarity
Matches 18; Conserv
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ZIP: 07068

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
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NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
STREET: 6 BECKER FARM ROAD
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CITY: ROSELAND
STATE: NEW JERSEY
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TITLE OF INVENTION: H
                                                                                                                                          363 TESP--QKCLLKGKKFHHQTCSCYRRPCTNRQKACEPGFSYSEEVCRCV 409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: PCT/US96/09001 FILING DATE:
                                                                                                                                                                            1 TENPCAQRCLQ------SCQQEPDDLKQKACESRCTKLEYDPRCV 39
                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                     17.5%;
                                                                                                                                                                                                                                                          Score 60; DB 4; Length 419; Pred. No. 8.7; 5; Mismatches 14; Indels
                                                                                                                                                                                                                                                          12;
                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                          2;
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